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[PDF] Estimating the **selectivity** of **XML** path expressions for internet scale ...   psu.edu [PDF]

A Aboulnaga, AR Alameldeen, JF Naughton - Proceedings of the ..., 2001 - Citeseer

... Some **cost** models for query optimization in object-oriented databases depend on the **selectivity** of path expressions, but no ... a path tree for multiple **XML** documents, we create an artificial root node for all the **XML** data so ... This is the frequency that is used for **selectivity** estimation. ...

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An evaluation of **XML** indexes for structural join   psu.edu [PDF]

H Li, ML Lee, W Hsu, C Chen - ACM SIGMOD Record, 2004 - portal.acm.org

... to the original XR-tree, it is able to decrease the update **cost** when the ... We generate synthetic **XML** documents that contain a set of uniformly distributed elements. ... of "Ancestor" and "Descendant" elements at 120,000 and 240,000 respectively, and vary the **selectivity** values and ...

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Benefits of path summaries in an **XML** query optimizer supporting multiple access ...

A Barta, MP Consens, AO Mendelzon - Proceedings of the 31st ..., 2005 - portal.acm.org

... Path summaries are used as back-ends that is, the **XML** query is evaluated by **traversing** the path ... Thus, the Timber or the structural joins rates a **cost**-model for stems like Natix [12] les for ... egies for **XML** query esented in the context roposed in [6]. In the e higher level consists on ...

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[PDF] Query optimization for **XML**   psu.edu [PDF]

J McHugh, J Widom - Proceedings of the International Conference on ..., 1999 - Citeseer

... This component uses statisticsand a **cost** model in ordertotrans- form the logical query plan into ... It is this additional factor that makes optimization of queries over **XML** data both important ... Once we have an object satisfying the predicate, we **traverse** back- wards through the data ...

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Performance Evaluation of a DOM-Based **XML** Database: Storage, Indexing, and ...

J Lv, G Wang, JX Yu, G Yu, H Lu, B Sun - Lecture Notes in Computer ..., 2002 - Springer

... Check if the **cost** of complementing approach is lower than that of the original path, if does ... XMark is another known **XML** benchmark [10], which has only a large single **XML** document ... Due to the **selectivity** of RPE DOMTR needs not to **traverse** the whole DOM tree, whereas extent ...

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[PDF] OrientX: A Schema-based Native **XML** Database System

psu.edu [PDF]

X Meng, Y Wang, D Luo, S Lu, J An, Y Chen, J ... - Proceedings of the ..., 2003 - Citeseer
... value(a, b) value(3, 1010) Figure 5: Statistical Information Model. can estimate the **cost** of the paths or subpaths in the query, and find an optimized execution plan. **Selectivity** estimation of path expressions in querying **XML** data plays an important role in query optimization. ...

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Cost-based optimizer for an **XML** data repository within a database

F Ge, S Chandrasekar, N Agarwal, R ... - US Patent App. 10/ ..., 2004 - Google Patents
... in the **XML** database repository are gathered, stored in a relational table in the database management system, and used to compute the **selectivity** of query predicates and the index **cost** asso- ciated with **traversing** one or more indexes to access the requested **XML** resources. ...

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Path sharing and predicate evaluation for high-performance **XML** filtering

psu.edu [PDF]

Y Diao, M Altinel, MJ Franklin, H Zhang, P ... - ACM Transactions on ..., 2003 - portal.acm.org
... would become highly skewed, with a small number of very long candidate lists that do not provide much **selectivity**. ... **XML** Path Sharing and Predicate Evaluation • 481 Fig. ... Rather, other **costs** such as document parsing are in many cases more expensive than the basic path match ...

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H Georgiadis, M Charalambides, V Vassalos - wim.aueb.gr
... The declared methods can be implemented using any **XML** cardinality and **selectivity** estimation technique such as [26][27 ... c//f. Let's also suppose that the current context element is f7, of the **XML** document of ... 1 **Cost** components c3' and c4' are smaller than c3 and c4 respectively ...

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psu.edu [PDF]

ZG Ives, AY Halevy, DS Weld - The VLDB Journal, 2002 - Springer
... Predicates can be evaluated early or late, depending on their **selectivity**. ... Page 7. 386 ZG Ives et al.: An **XML** query engine for network-bound data ... pub = book/item $t2 = $pub/@title $p = $pub/source $pi = $p/@ID $pr = $p/price books amazon $pID = $pi, $t = $t2 Output ...

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